

Atlantic Richfield Company

Jack Oman
Project Manager

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February 5, 2015

CERTIFIED – RETURN RECEIPT REQUESTED

Mr. Dave Seter
Remedial Project Manager
U.S. Environmental Protection Agency Region 9
75 Hawthorne Street, SFD-9-1
San Francisco, CA 94105

**Subject: January 2015 Monthly Report, Yerington Mine Site, Lyon County, Nevada:
Administrative Order for Remedial Investigation and Feasibility Study (RI/FS),
CERCLA Docket No. 9-2007-0005; Administrative Order on Consent, CERCLA
Docket No. 09-2009-0010**

Dear Mr. Seter:

Pursuant to the above referenced orders issued by the U.S. Environmental Protection Agency - Region 9 (EPA), Atlantic Richfield Company (ARC) has prepared this January 2015 monthly report for RI/FS and Operations and Maintenance (O&M) activities at the Yerington Mine Site (Site).

January 2015 Activities

Site Security and O&M Activities

- Continued Site O&M, security and bird deterrent activities. Cameras at various locations (e.g., Main and Arimetco gates, entrances to buildings) indicated no activity of concern.
- Wind dancers, bird deterrent flags, Wetland Wailer signs and Bird Gard towers continued to be deployed in accordance with the current EPA-approved bird mitigation approach. Balloons remained in place over FMS Evaporation Ponds B and C. To reduce birds from becoming habituated to wind dancers and flags, these devices were re-located as needed. Bird Gard towers 'A', 'B' and 'C' remained in operation during January.
- Mylar bird mitigation devices were deployed at the Slot pond, VLT pond and on three bird mitigation flags.
- Bird mitigation training and the evaluation of mitigation devices were performed on January 22.
- Continued the EPA-approved bird mitigation schedule, with at least three monitoring visits per day at all ponds plus a fourth monitoring at the Arimetco FMS ponds. Observations were made within half an hour of dawn and dusk, with the other visit(s) conducted mid-day.
- PWS Pond water levels: North Cell = 0.0 feet; Middle Cell = 0.0 feet; South Cell = 0.0 feet.
- Arimetco FMS pond levels: Phase 1 Pond = 4.18 feet; FMS Evaporation Pond A = 9.06 feet; FMS Evaporation Pond B = 4.50 feet; FMS Evaporation Pond C = 5.09 feet; VLT Pond = 11.52 feet; Slot Pond = 16.79 feet. The freeboard level in FMS Evaporation Pond A on January 30 was approximately 1.09 feet. See attached monitoring data.
- Approximately 27,104 gallons of solution were pumped from the leak detectors including 12,920 gallons from the VLT Pond and 8,988 gallons from the Slot Pond. See attached monitoring data.

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January 2015 Activities - Continued

Site Characterization Activities

- The meteorological station at AM-6 was calibrated on January 21-22.
- Site-wide monthly groundwater elevation measurements for new wells and wells outfitted with pressure transducers were obtained on January 26.
- The pit lake and surface ramp monitoring stake elevations were re-surveyed by Tri State on January 22, and the pit lake pressure transducer was re-calibrated. A pit lake elevation of 4232.46 feet amsl was recorded on January 22 from the pressure transducer, an increase of approximately 0.42 feet since December 22, 2014. The pit lake elevation has risen approximately 1.63 feet since January 22, 2014.
- No changes to the Bottled Water or Domestic Well Monitoring Programs in January.
- Transmitted the 3Q 2014 Groundwater Monitoring Report (GMR) on January 9.
- Continued the compilation of data for inclusion in the 2014 Annual GMR and the Domestic Well Monitoring Report (DWMR).
- Prepared for the 1Q 2015 groundwater monitoring event.
- Continued the compilation of field and laboratory data for inclusion in the data summary report (DSR) for the supplemental monitor well installation program.
- Received and summarized bids from three qualified drilling contractors for the groundwater and vadose zone characterization work to be performed around the Evaporation Ponds.
- Initiated the development of a petroleum contaminated soils closure plan for the Process Areas.
- Prepared for and participated in a scoping meeting with EPA on January 27 for the human health risk assessments (HHRAs) for Site-Wide Groundwater (OU-1) and the Process Areas (OU-3).
- Prepared for and participated in an initial discussion on January 28 regarding the data quality objectives (DQOs) and work scopes for the Wabuska Drain (OU-7) RI.
- Continued the evaluation of bedrock groundwater data to support a Bedrock Work Plan.
- Routine database management activities in support of Site investigations and monitoring.

Planned February/March 2015 Activities

Site Security and O&M Activities

- Continue routine Site O&M, security and bird deterrent activities.
- Continue the compilation of data for inclusion in the Annual FMS O&M Report.

Site Characterization Activities

- Continue groundwater elevation and pit lake level measurements, and meteorological monitoring.
- Continue the Bottled Water Program.
- Perform the 1Q 2014 groundwater monitoring event in February and the 1Q 2014 domestic well monitoring event in March.
- Continue to compile data for the 2014 Annual DWMR and GMR, and transmit the DWMR in March.
- Continue discussions with EPA regarding the proposed parameter reduction list for routine quarterly groundwater sampling.
- Continue work on the Supplemental Monitor Well Installation DSR.
- Continue work on OU-1 related activities including groundwater flow modeling, the Bedrock Groundwater Work Plan and the Background Work Plan.
- Pursuant to a groundwater technical meeting held in October 2014, transmit supplemental materials associated with responses to comments on the groundwater flow modeling report.
- Review drilling contractor bids and select a drill er to implement groundwater characterization activities around the Evaporation Ponds.
- Continue discussions with EPA regarding the OU-1 and OU-3 HHRAs.
- Continue to discuss the DQOs and work scopes for the Wabuska Drain (OU-7) RI, including a conference call in February and a technical meeting in late March.

Mr. Dave Seter
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Please contact me at (714) 228-6774 or via e-mail at jack.oman@bp.com if you have any questions or comments about the January 2015 monthly report.

Sincerely,



Jack Oman
Project Manager

Attachment

cc: Harry Ball, EPA – via electronic mail
Dante Rodriguez, EPA – via electronic mail
Andrew Helmlinger, EPA – via electronic mail
Tom Dunkelman, EPA – via electronic mail
Jeff Collins, NDEP – via electronic mail
Jeryl Gardner, NDEP – via electronic mail
Tom Olsen, BLM – via electronic mail
Dan Newell, City of Yerington – via electronic mail
Phyllis Hunewill – via electronic mail
Virgil Arellano, Lyon County Commissioner – via electronic mail
Rob Loveberg, Lyon County Planning Department – via electronic mail
Tom Grady, Nevada State Assembly – via electronic mail
Chairwoman Howard, YPT – via electronic mail
Ginny Hatch, YPT – via electronic mail
Deborah Dunn, YPT – via electronic mail
Dietrick McGinnis, McGinnis and Associates – via electronic mail
Tom Bowden, Ridolfi, Inc. – via electronic mail
Chairwoman McFalls, WRPT – via electronic mail
Tad Williams, WRPT – via electronic mail
Ron Halsey, Atlantic Richfield Company – via electronic mail
James Nolan, Atlantic Richfield Company – via electronic mail
James Lucari, Atlantic Richfield Company – via electronic mail
Patricia Gallery, Atlantic Richfield Company – via electronic mail
Brian Johnson, Atlantic Richfield Company – via electronic mail
John Batchelder, EnviroSolve – via electronic mail
Jim Chatham, Atlantic Richfield Company – via electronic mail
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